

Patent  
72478-3417

**IN THE CLAIMS:**

1        1-35. (Cancelled)

1        36. (Previously Presented) A system for forming a protective layer on a plasma  
2        display panel comprising;

3              a vacuum chamber housing,

4              means for supporting a plasma display panel substrate with electrodes in the  
5        housing;

6              means for heating the plasma display panel substrate;

7              means for evaporating, from a source of magnesium oxide, a predetermined  
8        amount of magnesium oxide to provide the protective layer on the plasma display panel  
9        substrate; and

10             an electron gun aligned with the means for supporting for evaporating magnesium  
11        oxide, as applied to the plasma display panel substrate, to provide a single layer of a (110)-face  
12        orientation of sufficient thickness to provide sputtering resistance during a predetermined life  
13        term of the plasma display panel.

1        37. (Previously Presented) The system of Claim 36 wherein the plasma display panel  
2        substrate is heated to a temperature of 150°C and the magnesium oxide is applied to a thickness  
3        of 5000 Å° for the protective layer.